



PATENT

Attorney Docket No. A-66566-3/RMS/RMK/SPL
Attorney File No.: 463037-00152

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

BLACKBURN et al.

Serial No. 09/440,371

Filed: November 12, 1999

For: *Binding Acceleration
Techniques For the Detection of
Analytes*

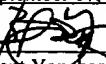
Art Unit: 1753

Examiner: Alex S. Noguerola

CERTIFICATE OF MAILING

I hereby certify that this correspondence, including listed enclosures, are being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:

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Signature 
Brent Vonchard

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
AND
STATEMENT OF RELATEDNESS

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In satisfaction of the duty of disclosure under 37 C.F.R. § 1.56, and in accordance with the provisions of 37 C.F.R. §§ 1.97 and 1.98, Applicants wish to draw the attention of the U.S. Patent and Trademark Office to the references cited on the accompanying form PTO/SB/8A. Copies of these references are enclosed.

Further, in accordance with the provisions of 37 C.F.R. § 1.98(a)(3) and MPEP § 609(III)(A)(3), Applicants submits that reference no. B1 and B9 are not in the English language and direct the Examiner's attention to the English language abstract of same enclosed herewith for a concise statement as to its relevance.

09/22/2004 NMERONEN 00000137 09440371
01 FC:1806 180.00 OP

09/22/2004 NMROCHA1 00000017 09440371
01 FC:1806 180.00 OP

Serial No.: 09/440,371
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Further, in satisfaction of the duty of disclosure under 37 C.F.R. § 1.56, and as required by M.P.E.P. § 2001.06(b), Applicant notes that the present application is related to the following pending patent applications:

1. U.S.S.N. 09/520,477, filed March 8, 2000; U.S.S.N. 09/712,792, filed November 13, 2000; U.S.S.N. 10/823,503, filed April 12, 2004;
2. U.S.S.N. 08/873,978, filed June 12, 1997; U.S.S.N. 09/557,577, filed April 21, 2000; U.S.S.N. 10/081,936, filed February 20, 2000; U.S.S.N. 10/236,481, filed September 5, 2002;
3. U.S.S.N. 08/873,597, filed June 12, 1997; U.S.S.N. 10/241,376, filed September 11, 2002;
4. U.S.S.N. 09/096,593, filed June 12, 1998;
5. U.S.S.N. 09/841,809, filed April 24, 2001;
6. U.S.S.N. 10/714,489, filed November 14, 2003;
7. U.S.S.N. 09/135,183, filed August 17, 1998;
8. U.S.S.N. 09/452,277, filed February 3, 1999;
9. U.S.S.N. 10/016,416, filed December 10, 2001;
10. U.S.S.N. 09/295,691, filed April 21, 1999;
11. U.S.S.N. 09/472,657, filed December 27, 1999; U.S.S.N. 10/697,908, filed October 29, 2003;
12. U.S.S.N. 09/238,351, filed January 27, 1999; U.S.S.N. 10/746,903, filed December 23, 2003;
13. U.S.S.N. 09/245,105, filed January 27, 1999; and

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Filed: November 12, 1999

14. U.S.S.N. 09/866,067, filed May 23, 2001; U.S.S.N. 10/279,742, filed

October 23, 2002; U.S.S.N. 10/636,371, August 7, 2003;

Nothing herein shall constitute an admission concerning the contents of any of the cited references, nor shall the inclusion of a reference herein be considered an admission that the reference constitutes prior art against the invention claimed in the above-identified application. Submission of the present document shall not be construed as an admission that a search has been made or that better art does not exist.

Pursuant to 37 C.F.R. §1.97(c), enclosed is a check in the amount of \$180.00 as set forth in 37 C.F.R. §1.17(p). While no further fee is believed to be due, if this belief is in error, the Commissioner is authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-2319 (Our Order No. 463037-00152 (A-66566-3/RMS/RMK/SPL)).

Please direct further questions in connection with this Application to the undersigned at (415) 781-1989.

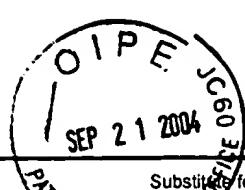
Respectfully submitted,
DORSEY & WHITNEY LLP

Dated: 9/17/04 By:
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Steve P. Lendaris, Reg. No. 53,202 for
Robin M. Silva, Reg. No. 38,304

Filed Under 37 C.F.R. § 1.34(a)

Attachments: Form SB/08/A-B, substitute for Form PTO-1449
79 cited references



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|---|---|----|---|--------------------------|--------------------------------------|
| Substitute for form 1449A/PTO (Modified) | | | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | | Application Number | 09/440,371 |
| Sheet | 1 | of | 4 | Filing Date | November 12, 1999 |
| | | | | First Named Inventor | BLACKBURN, Gary |
| | | | | Art Unit | 1753 |
| | | | | Examiner Name | Noguerola, Alex S. |
| | | | | Attorney Docket Number | A-66566-3/RMS/RMK/SPL (463037-00152) |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|---|--------------------------------|---|---|
| Examiner Initials* | Cite No. ¹ | Document Number Number-Kind Code ² (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| A1 | | 4,908,319 | 03-13-1990 | Smyczek et al. | |
| A2 | | 5,038,852 | 08-13-1991 | Johnson et al. | |
| A3 | | 5,100,775 | 03-31-1992 | Smyczek et al. | |
| A4 | | 5,126,022 | 06-30-1992 | Soane et al. | |
| A5 | | 5,126,034 | 06-30-1992 | Carter et al. | |
| A6 | | 5,147,607 | 09-15-1992 | Mochida | |
| A7 | | 5,187,096 | 02-16-1993 | Giaever et al. | |
| A8 | | 5,192,412 | 03-09-1993 | Kambara et al. | |
| A9 | | 5,192,507 | 03-09-1993 | Taylor et al. | |
| A10 | | 5,200,051 | 04-06-1993 | Cozzette et al. | |
| A11 | | 5,296,375 | 03-22-1994 | Kricka et al. | |
| A12 | | 5,304,487 | 04-19-1994 | Wilding et al. | |
| A13 | | 5,320,808 | 06-14-1994 | Holen et al. | |
| A14 | | 5,360,741 | 11-01-1994 | Hunnell | |
| A15 | | 5,486,335 | 01-23-1996 | Wilding et al. | |
| A16 | | 5,498,392 | 03-12-1996 | Wilding et al. | |
| A17 | | 5,500,071 | 03-19-1996 | Kaltenbach et al. | |
| A18 | | 5,519,635 | 05-21-1996 | Miyake et al. | |
| A19 | | 5,545,531 | 08-13-1996 | Rava et al. | |
| A20 | | 5,585,069 | 12-17-1996 | Zanzucchi et al. | |
| A21 | | 5,587,128 | 12-24-1996 | Wilding et al. | |
| A22 | | 5,589,136 | 12-31-1996 | Northup et al. | |
| A23 | | 5,593,838 | 01-14-1997 | Zanzucchi et al. | |
| A24 | | 5,595,712 | 01-21-1997 | Harbster et al. | |
| A25 | | 5,603,351 | 02-18-1997 | Cherukuri et al. | |
| A26 | | 5,605,662 | 02-25-1997 | Heller et al. | |
| A27 | | 5,631,734 | 05-20-1997 | Stern et al. | |
| A28 | | 5,632,876 | 05-27-1997 | Zanzucchi et al. | |
| A29 | | 5,632,957 | 05-27-1997 | Heller et al. | |
| A30 | | 5,635,358 | 06-03-1997 | Wilding et al. | |
| A31 | | 5,637,469 | 06-10-1997 | Wilding et al. | |
| A32 | | 5,643,738 | 07-01-1997 | Zanzucchi et al. | |

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| Examiner Signature | Date Considered |
|--------------------|-----------------|

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the complete application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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| | | | | First Named Inventor | BLACKBURN, Gary |
| | | | | Art Unit | 1753 |
| | | | | Examiner Name | Noguerola, Alex S. |
| Sheet | 2 | of | 4 | Attorney Docket Number | A-66566-3/RMS/RMK/SPL (463037-00152) |

| U.S. PATENT DOCUMENTS | | | | | |
|------------------------------|-----------------------|---|--------------------------------|---|---|
| Examiner Initials* | Cite No. ¹ | Document Number Number-Kind Code ² (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | A33 | 5,681,484 | 10-28-1997 | Zanzucchi et al. | |
| | A34 | 5,694,932 | 12-09-1997 | Michel | |
| | A35 | 5,716,825 | 02-10-1998 | Hancock et al. | |
| | A36 | 5,726,026 | 03-10-1998 | Wilding et al. | |
| | A37 | 5,741,462 | 04-21-1998 | Nova et al. | |
| | A38 | 5,750,015 | 05-12-1998 | Soane et al. | |
| | A39 | 5,755,942 | 05-26-1998 | Zanzucchi et al. | |
| | A40 | 5,770,029 | 06-23-1998 | Nelson et al. | |

| FOREIGN PATENT DOCUMENTS | | | | | |
|---------------------------------|-----------------------|---|--------------------------------|---|---|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | B1 | DE 197 25 190 | 12-17-1998 | Innova GmbH | |
| | B2 | EP 0 213 825 A2 | 03-11-1987 | Molecular Devices Corp | |
| | B3 | EP 0 637 996 B2 | 07-23-1997 | The Trustees of the University of Pennsylvania | |
| | B4 | EP 0 637 998 B1 | 07-31-1996 | The Trustees of the University of Pennsylvania | |
| | B5 | EP 0 854 362 A2 | 07-22-1998 | Japan Science & Technology Corp | |
| | B6 | EP 0 859 230 A1 | 08-19-1998 | Cranfield University | |
| | B7 | EP 0 870 541 A2 | 10-14-1998 | Eastman Kodak Co. | |
| | B8 | EP 0 969 083 A1 | 01-05-2000 | Olympus Optical Co. Ltd. | |
| | B9 | JP 11-183437 A | 07-01-1999 | Shimadzu Corp. | |
| | B10 | WO 93/22053 A1 | 11-11-1993 | The Trustees of the University of Pennsylvania | |
| | B11 | WO 96/15450 A1 | 05-23-1996 | David Sarnoff Research Center | |
| | B12 | WO 96/15576 A1 | 05-23-1996 | David Sarnoff Research Center | |
| | B13 | WO 96/39252 A1 | 12-12-1996 | David Sarnoff Research Center | |
| | B14 | WO 97/12030 A1 | 04-03-1997 | Nanogen, Inc. | |
| | B15 | WO 97/16561 A1 | 05-09-1997 | David Sarnoff Research Center | |
| | B16 | WO 97/27324 A1 | 07-31-1997 | David Sarnoff Research Center | |

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| Examiner Signature | Date Considered |
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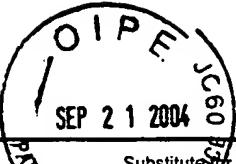
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| | | | | Art Unit | 1753 |
| | | | | Examiner Name | Noguerola, Alex S. |
| Sheet | 3 | of | 4 | Attorney Docket Number | A-66566-3/RMS/RMK/SPL (463037-00152) |

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|-----------------------|---|-----------------------------|---|---|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document Country Code ² Number ³ Kind Code ⁵ (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | B17 | WO 97/36681 A1 | 10-09-1997 | Perkin Elmer Corp. | | |
| | B18 | WO 97/43629 A1 | 11-20-1997 | Sarnoff Corporation | | |
| | B19 | WO 98/01758 A1 | 01-15-1998 | Nanogen, Inc. | | |
| | B20 | WO 98/05424 A1 | 02-12-1998 | Caliper Technologies Corp. | | |
| | B21 | WO 98/12539 A1 | 03-26-1998 | Meso Scale Technologies, LLC | | |
| | B22 | WO 98/13683 A1 | 04-02-1998 | Sarnoff Corporation | | |
| | B23 | WO 98/15893 A1 | 04-16-1998 | Advanced Risc Mach Ltd. | | |

| NON PATENT LITERATURE DOCUMENTS | | | | | | |
|---------------------------------|-----------------------|---|--|--|--|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | | | | T ⁶ |
| | C1 | BECKER, H., et al., "Microfluidic Manifolds by Polymer Hot Embossing for μ-TAS Applications," <i>Micro Total Analysis Systems '98 Conference, Proc. μ-TAS '98</i> , pp. 253-256, Banff, British Columbia, CA (Oct. 13 - 16, 1998). | | | | |
| | C2 | BELGRADER, P., et al., "Rapid pathogen detection using a microchip PCR array instrument," <i>Clin. Chem.</i> 10(44):2191-2194 (1998). | | | | |
| | C3 | JOHNSTON, D., et al., "Cyclic Voltammetry: Study of Polynucleotide Binding and Oxidation by Metal Complexes Homogeneous Electron-Transfer Kinetics," <i>J. Phys. Chem.</i> 100(32):13837-13843 (Aug. 1996). | | | | |
| | C4 | KOLB, J., et al., "Small-Scale Acoustic Streaming in Liquids," <i>J. Acoustics Soc. Am.</i> 28(6):1237-1242 (1956). | | | | |
| | C5 | LECKBAND, D., et al., "Interactions Between Nucleotide Binding sites on Chloroplast coupling Factor One During ATP Hydrolysis," <i>Biochemistry</i> 26(8):2306-2312 (Apr. 1987). | | | | |
| | C6 | LEE, L.P., et al., "Key Elements of a transparent teflon® microfluidic system," <i>Micro Total Analysis Systems '98 Conference, Proc. μ-TAS '98</i> , pp. 245-248, Banff, British Columbia, CA (Oct. 13 - 16, 1998). | | | | |
| | C7 | MIKKELSEN, S., "Electrochemical Biosensors for DNA Sequence Detection," <i>Electroanalysis</i> 8(1):15-19 (1996). | | | | |
| | C8 | MORONEY, R.M., et al., "Ultrasonically Induced Microtransport," <i>Proc. IEEE Micro Electro Mechanical Systs.: An Investigation of Micro Structures, Sensors, Actuators, Machines and Robots</i> , pp. 227-282, Nara, JP (Jan. 30 - Feb. 2, 1991). | | | | |
| | C9 | NEDERLOF, P.M., et al., "Quantification of fluorescence in situ hybridization signal by image cytometry," <i>Cytometry</i> 13(8):846-852 (1992). | | | | |
| | C10 | NORTHRUP, M., et al., "A Miniature analytical instrument for nucleic acids based on micromachined silicon reaction chambers," <i>Anal. Chem.</i> 70(1):918-922 (Mar. 1998). | | | | |
| | C11 | ROONEY, J.A., "Shear as a Mechanism for Sonically Induced Biological Effects," <i>J. Acoustics Soc. Am.</i> 52(6):1718-1724 (1972). | | | | |
| | C12 | SHAW, T., et al., "Active-Pixel-Sensor Digital Camera on a Single Chip," <i>NASA Tech Briefs</i> 420:44-46 (1998). | | | | |

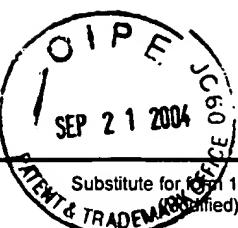
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¹Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the complete application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for Form 1449A/PTO
~~PATENT & TRADEMARK OFFICE~~
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

| | | | | | |
|-------|---|----|---|------------------------|--------------------------------------|
| Sheet | 4 | of | 4 | Attorney Docket Number | A-66566-3/RMS/RMK/SPL (463037-00152) |
|-------|---|----|---|------------------------|--------------------------------------|

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ⁶ |
|--------------------|-----------------------|---|----------------|
| | C13 | WANG, J., et al., "Peptide Nucleic Acid Probes for Sequence-Specific DNA Biosensors," <i>J. Am. Chem. Soc.</i> 118(33):7667-7670 (Aug. 1996). | |
| | C14 | WASHIZU, M., et al., "Applications of Electrostatic Stretch-and-Positioning of DNA," <i>IEEE Trans. Ind. Appl.</i> 31(3):447-457 (May - Jun. 1995). | |
| | C15 | WEBSTER, J.R., et al., "An Inexpensive Plastic Technology for Microfabricated Capillary Electrophoresis Chips," <i>Micro Total Analysis Systems '98 Conference, Proc. μ-TAS '98</i> , pp. 249-252, Banff, British Columbia, CA (Oct. 13 - 16, 1998). | |
| | C16 | WILDING, P., et al., "PCR in a Silicon Microstructure," <i>Clin. Chem.</i> 40(9):1815-1818 (Sep. 1994). | |

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